

IN THE UNITED STATES DISTRICT COURT FOR THE  
NORTHERN DISTRICT OF OKLAHOMA

W. A. DREW EDMONDSON, in his )  
capacity as ATTORNEY GENERAL )  
OF THE STATE OF OKLAHOMA and )  
OKLAHOMA SECRETARY OF THE )  
ENVIRONMENT C. MILES TOLBERT, )  
in his capacity as the )  
TRUSTEE FOR NATURAL RESOURCES )  
FOR THE STATE OF OKLAHOMA, )  
Plaintiff, )  
vs. ) 4:05-CV-00329-TCK-SAJ  
TYSON FOODS, INC., et al, )  
Defendants. )

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VOLUME I OF THE VIDEOTAPED  
DEPOSITION OF EUGENE WELCH, PhD, produced as a  
witness on behalf of the Defendants in the above  
styled and numbered cause, taken on the 14th day of  
August, 2008, in the City of Tulsa, County of Tulsa,  
State of Oklahoma, before me, Lisa A. Steinmeyer, a  
Certified Shorthand Reporter, duly certified under  
and by virtue of the laws of the State of Oklahoma.

1 you? Let's just make sure. What's it showing for  
2 LK-4 on phosphorus; what would be the current  
3 trophic state for Lake Tenkiller for LK-4?

4 A Well, that's a hypereutrophic.

5 Q All right. What about --

6 A Well, current, okay. If you look at the  
7 last -- those last three years there, it would  
8 average out into the hypereutrophic stage.

9 Q How about LK-3; what would be the current  
10 trophic state of Lake Tenkiller based on that?

03:49PM

11 A Borderline.

12 Q Between what?

13 A Mesotrophic and eutrophic.

14 Q Okay, and how about LK-2?

15 A That's mesotrophic. All the others are  
16 mesotrophic.

03:49PM

17 Q LK-1 and LK-2 would be mesotrophic?

18 A Yeah, mesotrophic.

19 Q Is it pronounced mesotrophic?

20 A Mesotrophic, yeah.

03:49PM

21 Q Okay, thank you. I want to talk just a  
22 minute, Dr. Welch, about Broken Bow versus Tenkiller  
23 Reservoirs.

24 A Okay.

25 Q Because as you testified earlier, you and Dr.

03:49PM